

**WHAT IS CLAIMED IS:**

1. A method for controlling SAR (Specific Absorption Rate) in a mobile terminal for controlling a transmission power of an RF (Radio Frequency) signal by controlling a gain of an amplifier for amplifying the RF signal, comprising the steps of:
  - a) checking a user-selected SAR control mode of the mobile terminal;
  - b) setting a code value corresponding to a transmission power of the RF signal to a gain of the amplifier, wherein the code value is set to a first code value when the user-selected SAR control mode is a safe mode, and is set to a second code value when the user-selected SAR control mode is a normal mode; and
  - c) amplifying the RF signal according to the gain of the amplifier.
2. The method as set forth in claim 1, wherein the amplifier is a drive amplifier.
3. The method as set forth in claim 1, wherein the first code value is lower than the second code value when the RF signal is transmitted with a high transmission power.
4. The method as set forth in claim 3, wherein the first code value is equal to the second code value when the RF signal is transmitted with a low transmission power.
5. The method of Claim 1, wherein the code value is selected from code tables wherein individual transmission powers and individual codes are

interconnected with each other.

6. The method as set forth in claim 5, further comprising the steps of:

d) calling a corresponding code table according to the user-selected SAR control mode; and

5 e) calculating a code value versus a transmission power to be transmitted on the basis of the called code table.

7. The method as set forth in claim 6, wherein a code value corresponding to a maximal transmission power in a code table for the safe mode is lower than a corresponding code value in a code table for the normal mode.

10 8. A method for controlling SAR (Specific Absorption Rate) in a mobile terminal for controlling a transmission power of an RF (Radio Frequency) signal by controlling a gain of an amplifier for amplifying the RF signal, comprising the steps of:

a) checking a user-selected SAR control mode of the mobile terminal;

15 b) if the RF signal is to be transmitted with a high transmission power and the SAR control mode is set to a safe mode, setting the gain of the amplifier to a prescribed attenuated gain; and

c) amplifying the RF signal according to the gain of the amplifier.

9. The method as set forth in claim 8, further comprising the step of  
20 setting the gain of the amplifier to a prescribed normal gain if the SAR control mode is a normal mode.

10. The method of Claim 9, wherein the safe mode and the normal

mode are selected from code tables wherein individual transmission powers and individual codes are interconnected with each other.

11. The method as set forth in claim 10, further comprising the steps of:

5 d) calling a corresponding code table according to the checked SAR control mode; and

e) calculating a code value versus a transmission power to be transmitted on the basis of the called code table, and setting the gain of the amplifier according to the code value.

10 12. The method as set forth in claim 8, wherein the mobile terminal provides a user with a user interface, enabling the user to select the SAR control mode.

13. The method as set forth in claim 7, wherein the amplifier is a drive amplifier.

15 14. A mobile communication terminal including an amplifier for amplifying and transmitting an RF (Radio Frequency) signal, comprising:

a user interface for selecting a SAR (Specific Absorption Rate) control mode of the mobile terminal;

a memory for storing program data for controlling the mobile terminal,  
20 and storing information of the SAR control mode and code tables of amplifier gains corresponding to individual SAR control modes; and

a controller for setting a first code value of the memory indicating a gain of the amplifier when the SAR control mode is a safe mode, setting a second

code value of the memory indicating a gain of the amplifier when the SAR control mode is a normal mode, and amplifying the RF signal according to the gain of the amplifier.